



The

Az Apple

Journal

December, 1989

\$2.75

**Dec 9th Meeting
Margo Demas from
TimeWorks Inc
Presents Publish•It
on the Apple //
& Macintosh
See Page 23 & 32**

What Does GS/OS Mean To You

Creating Custom Icons

Alan Kay, Apple Fellow

**New Improved
II GS System 5.0**

Calendar of Events

**What's Cooking
On The BBS**

AzApple Minutes

Calendar of Events

Aztec Adventure - Review

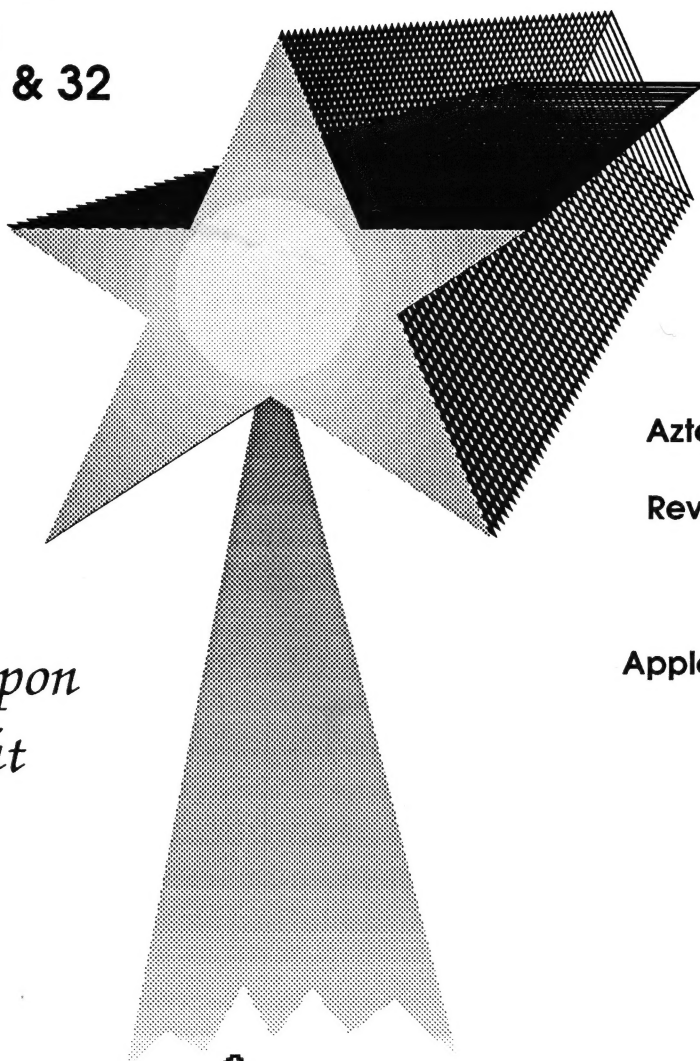
Review of Mac System 7.0

Apple Tree Clippings

AppleWorks Enhancements

Finder vs Finder

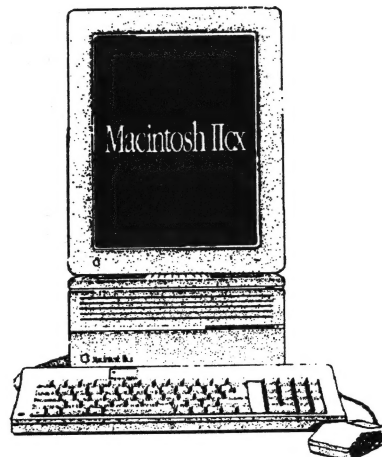
*It came upon
a midnight
clear...*



Fender

Mac IIfx & Mac IIfx

**\$300 Rebate
when you buy a
IIfx & an Apple printer.**



If productivity is your concern,

The Macintosh IIfx and Mac IIfx are probably the most versatile and productive computers in the Apple computer family, offering the latest advances in technology. Each of them come with System Software 6.0.3, and Hypercard information management Toolkit. For productivity applications ranging from Desk-Top publishing to Engineering applications, we think that these are the best performers among personal computers.

Macintosh IIfx features 16 Mhz full 32-bit 68030 microprocessor with built-in Paged Memory Management Unit (PMMU), 68882 floating point coprocessor, three NuBus expansion slots, small footprint, Locking power switch, 1.4 Meg Apple FDHD, seven built-in ports, and a choice of monitors and hard drives.

Macintosh IIfx with 2Meg RAM, AppleMonochrome monitor,
video card, 40 Meg Hard drive, and a standard Keyboard.....**\$4399.**

Macintosh IIfx w/ 4 Meg RAM , AppleColor Hi-Res RGB
or Apple monochrome **Portrait (full page)** monitor ,video card,
100 Meg hard drive, and a standard Keyboard.....\$5999.

Macintosh IIfx features 25MHz 68030 microprocessor. For Mac IIfx system pricing, please add \$1000 to the Mac IIfx system prices.

Add 6.7% Sales Tax. All prices subject to change without notice.

COMPUTERS PLUS COMPANY

2303 North 44th Street #2

(North East corner of 44th St. & Oak St.)

Phoenix AZ 85008

Phone: 602-955-1404



Authorized Dealer

New Macintosh Portable



The **Macintosh Portable** computer is ideal for users who want to take their work with them. Everything a user needs-CPU, screen, keyboard, pointing device, battery, FDHD 1400K 3.5" drive, hard drive- is integrated into a single, easy to carry package.

The **Macintosh Portable** computer offers complete Macintosh functionality and performance in an all-in-one portable design. It delivers all of the features that make Macintosh a Macintosh-point and click operation, high quality graphics, the ability to run thousands of consistent graphical Macintosh applications, standard Macintosh input and output capabilities, and built-in networking. Intelligent power management features allow the Macintosh portable to operate for 6 to 12 hours on a single battery charge.

Specifications: Processor: CMOS 68000; 16 MHz Static RAM: 1 Meg expandable to 2 Meg.
Internal Storage: One 3.5" 1400K FDHD superdrive, Optional 40 Meg 3.5" SCSI internal hard drive.
Screen: Active Matrix LCD (640X400 pixel bit-mapped display) Unlike some other portables on the market, **the screen is remarkably responsive:** When you move the cursor, resize a window, or draw a graphic, the screen reacts instantly. Furthermore, you can easily read the screen of the **Macintosh Portable** from almost any angle, and in a wide range of lighting conditions.

Macintosh Portable with 1 FDHD and a 40 Meg internal Hard Drive....\$5499

Note: Add 6.7% Sales Tax. Prices subject to change without notice.

COMPUTERS PLUS COMPANY

2303 North 44th Street #2

(North East corner of 44th St. & Oak St.)

Phoenix AZ 85008

Phone: 602-955-1404



Authorized Reseller

Apple, Macintosh, and the Apple logo are registered trademarks of Apple Computer, Inc.

About AzApple & The Journal

The 89/90 Management

Officers:

President -	Jerry Cline	992-7035
V President -	Craig White	271-4422
Secretary -	Dianne Kinsman	569-9313
Treasurer -	Mike Dennis	839-3865

Chairman of The Board:

Jerry Cline

Board Coordinator,

Dianne Kinsman

Directors:

Jack Fouquette, Historian	839-7965
Bob Smith, Membership	247-9598
Jack Upfall, Fiesta Chairman	963-9643
Barbara Hunter	772-6996
Wayne Wilcoxon	439-0736
Paula Peterson	866-1650
Barry Prowell, Special Needs (No phone, call one of the above or Special Needs BBS	468-1835)

Submitting articles & ads to The Journal

Articles or advertisements submitted to the Editor of this Journal by the 1st of the month preceeding the date of publication will be considered for inclusion. AzApple reserves the right to edit all copy for space requirements.

Articles may be submitted for publication by sending them to one of the three AzApple Tree BBS AzApple Journal Editor's Libraries. 8N1, 300/1200/2400

The Arizona Apple Tree

602-264-3800

Special Needs Apple Tree

602-468-1835

Macintosh Apple Tree

602-870-1810

You can also send your article on disk to: Editor, The Arizona Apple User Group, 3035 E Topaz Cir, Phoenix, AZ 85028, or, bring an identified disk to the Editor at the next meeting. Your disk will be returned as soon as possible.

All rights reserved. Authors and Advertisers are responsible for the accuracy of their submitted material. The opinions expressed do not necessarily represent those of the Arizona Apple Users Group. No liability or responsibility is assumed by the Officers, Directors, or the Arizona Apple Users Group for advertised products or services.

For up to the minute information about the next AzApple meeting, call our

24 Hour InfoLine

602/277-8511

...for a voice recording of the latest class schedule and coming attractions:

Regular Meetings

...unless otherwise noted are the 2nd Saturday of each month at METRO TECH, on the Southwest corner of 19th Avenue and Thomas Road in Phoenix. Guests are welcome. Note, since METRO TECH is a public school, there is a conflict of holidays on Veteran's Day and Columbus Day weekends. Call the InfoLine, 277-8511 for up-to-date information.

AzApple Aides:

(See Center Section)

Members may make free use of this help service available from AzApple volunteers.

AzApple Software Libraries:

Apple II

Mel Goodwin - 943-1733

Apple IIGS

Matt Stoner - 997-0548

Macintosh

Wayne Wilcoxon - 439-0736

Our Branch Library of our public domain disks is maintained at:

AzTech Computer
4920 W Thunderbird Rd
Glendale, AZ.
938-1160

Advertising in The Journal

The AzApple Journal format is 8.5 X 11 inches. Advertising rates are shown below. Specific page locations and stuffer ad services can be available on request, call for quotes. Photos must be black & white. A separate fee for shooting photos as half-tone screens applies. Camera ready ads or in Macintosh PICT, EPS, or TIFF format received by the Advertising Manager prior to the 1st of the month will appear in the following month's AzApple Journal. For details, call Jerry Cline - 602/992-7035.

Full page 8.0 X 10" (Max ad size) \$60

3/4 page 40 - 60 Sq inches \$50

1/2 page 20 - 40 Sq inches \$40

1/4 page 7 - 20 Sq inches \$30

Screening Photo \$20 (Min)

All ads must fit within a 10" high or 8" wide format.

\$10 off the above prices for 12 consecutive prepaid ads.

Prepayment can be quarterly.

Business Card Ad \$10/issue • 12 issues \$100 (One Payment)

Unclassified Ads:

Members - 20 words free then 5 cents/word - Min \$1.00

Non-members - 10¢/word - min \$2.50

Editor /Advertising Manager

Jerry Cline
3035 E Topaz Circle
Phoenix, AZ 85028
602/992-7035

Editor Staff -

John Bohn
Jack Fouquette
Craig White
Dennis Smith
Karen Bonine
Carol Schafer
Ric Bowers - Art
Jim Thomas - Art

The Fine Print

The AzApple Journal
is published monthly by:

The Arizona Desert Apple Menagerie, dba

The Arizona Apple User Group

PO Box 34056
Phoenix AZ 85067-4056,
602/992-7035.

Distribution of the AzApple Journal is free to members. Membership in the Arizona Apple Users Group is open to anyone interested in Apple computers. Annual family membership dues are \$35 for new members and \$30 for renewal.

The Arizona Apple Users Group is a nonprofit Arizona Corporation, 501(C)(7). Started in 1978 and incorporated in 1981. AzApple is dedicated to the education and assistance for its members in the use of Apple computers and related products.

Permission is hereby granted to other nonprofit Apple user groups to reprint original articles and regular columns from this issue, if credit is given to the Author, The AzApple Journal, and the Arizona Apple User Group. A copy of the Newsletter or Magazine in which the reprints occur shall be forwarded to the Arizona Apple Users Group. No other reproduction (electronic or print) of the contents is permitted without the express written consent of the Board of Directors of the Arizona Apple Users Group.

AzApple is an independent support group of Apple product users, and is not affiliated with Apple Computer, Inc. The following are trademarks of Apple Computer, Inc.: Apple II, Apple II+, Apple IIe, Apple IIc, Apple IIGS, Macintosh, Macintosh Plus, Macintosh SE, Macintosh II, Macintosh XL, Lisa, ImageWriter, ImageWriter II, LaserWriter, LaserWriter Plus, MacPaint, MacWrite, DOS 3.3, ProDOS, AppleWriter, AppleWorks, Applesoft, and UniDisk 3.5.



The *AzApple*

Journal

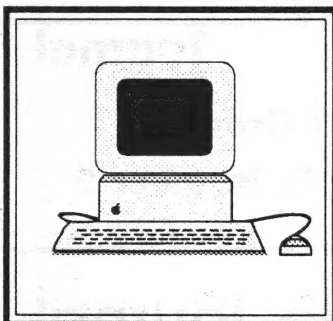
The Arizona Apple User Group
December, 1989 Volume 13, Number 9

InSide The AzApple Journal

- 6 What Does GS/OS Mean To You -**
 Richard Taft
- 8 Creating Custom Icons - Wade S. Blomgren**
- 9 Alan Kay, Apple Fellow**
- 10 New! Improved Apple IIGS System 5.0 -**
 Gregg Williams
- 11 AzApple Minutes - Dianne Kinsman**
- 12 Calendar Of Events & SIG Groups**
- 13 Apple Fiesta, List Of Players**
- 15 What's Cooking On The Apple Tree -**
 Don Davidson
- 16 A Smaller Byte Of My Apple - Derek Cline**
- 18 AzApple Aides**
- 20 A Byte Of My Apple - Jerry Cline**
- 22 Preview Of Mac System 7.0 - Gregg Williams**
- 23 TimeWorks Inc - Dec 9th Meeting**
 Margo Demas Shows Publish•It
- 24 Clippings From The Apple Tree**
- 26 AppleWorks Enhancements - John Bohn**
- 28 A 'Crate' OverView**
 Finder vs Finder - Dennis Smith
- 32 Meeting Schedule and Announcement**
- 33 AzApple Membership Form**

**Working with other user
groups through the
USER GROUP**

C-O-N-N-E-C-T-I-O-N



This article gives you a BRIEF description of what comprises GS/OS

With the advent of System 5.0, the Apple IIgs user will find the need, eventually, for a hard disk drive, or some other form of mass storage media. There is very little room left on the System disk for anything else. AppleWorks GS, and MEDLEY are now written in Express Load format. They work MUCH faster than previous additions.

© Taft Insights, Ltd.
© Basically A.P.P.L.E., Inc.

Editors Note:
Every Sunday evening we have a National User Group Conference on America OnLine from 7-8PM MST. Richard Taft has attended most every conference since we started, a year and a half ago. Like a lot of people who meet in our Forum, I've never had the opportunity to meet Richard face to face, but I certainly enjoy his ideas and contributions.

Jerry Cline

What Does GS/OS Mean To You?

by Richard Taft

Have you ever stopped to think just what is going on when you place a disk in your disk drive and turn on your Apple IIgs computer? Besides the noise the disk drive makes, and the light from the screen monitor, there is quite a bit going on. I invite you to sit down and read along while I attempt to explain everything to you in terms that you will (hopefully) find easy to understand.

When you turn on your IIgs, the information stored in ROM (Read Only Memory) instructs your computer to look in the slot you, the user, has selected from the Control Panel to be the startup slot. The information stored here, tells the computer to look at the disk in the drive. The disk in the drive must be Formatted (initialized) with the operating system needed to control the exchange of information between the disk drive and the computer's central processing unit (CPU).

In order for the disk to hold any information, it must be initialized. Utility programs are needed for this function. A ProDOS disk is formatted in such a way as to be readable by the Professional Disk Operating System (ProDOS).

By formatting a disk, blocks are layed out on tracks in what is an orderly fashion. At least ProDOS considers it orderly. You will not be able to see these blocks or tracks by looking at the disk — but they are there if the disk was properly formatted. Think of a round (not oval, but perfectly round) football stadium, and you have some idea of how the blocks are layed out on the disk. Each stadium seat represents

each block on the disk, and each row of seats forms each track on the disk that holds these blocks.

The first block on the disk (Block 0), contains the information telling the CPU to search for a file named PRODOS on the disk. Yes, block 0 is correct - computers do not count like humans. Upon finding the file named PRODOS, the CPU loads the file and executes the file.

When Apple introduced GS/OS, it made great strides in improving the performance of the Apple IIgs. No longer did the user have to wait long periods of time for the CPU to actually execute whatever you, the user, wanted it to do. GS/OS took full advantage of the power of the Apple IIgs. GS/OS's predecessor, ProDOS 16, tried hard, but fell far short of really using the capabilities of the IIgs.

GS/OS needs many files in order to perform up to expectations. Not only does it require a file named PRODOS, but it must load in files that control such things as Error Messages, Tools for the IIgs, Fonts, and special files needed to read the disk drives and printers. What follows is a brief listing of the necessary files needed for a GS/OS disk to "Boot". ("Boot" is the term used to describe the process from the time the disk is placed in the drive, the CPU is turned on, and the disk drive finally stops spinning to the time the application you wanted to work with is revealed on the screen.)

There are four main files needed to create a "boot" disk for GS/OS. Two of the files are actually folders

(subdirectory) or directories. They contain the critical files needed to properly "boot" the disk.

ProDOS

The first file is a file named PRO-DOS. This is not the same file named PRODOS that is used for the other Apple II's (IIC+, IIC, IIE, etc). This file verifies that you are actually using a IIgs. If you attempt to use this file on the other Apple II computers, an error message will pop-up on the screen telling you that the file will only work on an Apple IIgs.

SYSTEM

This is the folder containing the critical files needed to complete the task of "booting" the disk. It contains files and folders with most of the GS/OS files.

START.GS.OS

This file contains a special loading routine, and a quit routine. It will load the next file containing the rest of the operating system.

GS.OS

This file contains the rest of the operating system.

GS.OS.Dev

This file contains the GS/OS Device Manager.

ERROR.MSG

This file contains all of the error messages needed for GS/OS. Apple decided to keep this as a separate file for convenience for foreign language versions of GS/OS.

FSTS

This file contains the File System Translators needed for GS/OS to be able to access the information stored on the disk media. To date, Apple has written FST's for ProDOS devices, High Sierra (CD-ROM) devices, and Character devices (keyboard).

- PRO.FST-The ProDOS FST
- HS.FST-High Sierra FST
- CHAR.FST-The Keyboard FST
- AppleShare.FST-Required to use
- AppleShare file servers

DRIVERS

This folder contains the files, called drivers, for the possible disk drives you can connect to your Apple IIgs.

- APPLIEDISK3.5- for the Apple 3.5" disk drive.
- UNIDISK3.5- for the Uni-Disk 3.5" disk drive.
- SCSI.Manager-Needed if any SCSI devices are connected to Apple II SCSI cards
- SCSIHD.DRIVER-for SCSI devices (Hard disk drives)
- SCSICD.Driver-for Apple CD SC drives.
- CONSOLE.DRIVER-for the keyboard & video monitor
- APPLIEDISK5.25- for the 5.25" disk drives
- Console.Driver-Text screen & Keyboard driver for GS/OS.
- ATalk-The main AppleTalk GS/OS driver.
- ATP1.ATROM-AppleTalk protocols to patch IIgs ROM.
- ATP2.ATRAM-AppleTalk protocols not in ROM.
- SCC.Manager-Hardware manager Required for AppleTalk.

SYSTEM.SETUP

This folder contains all of the INIT files (files that can only be accessed when booting the system).

- CDev.INIT-Required for Control Panel NDA.
- TOOL.SETUP-is necessary because it loads a file named TS2. TS2-patches the tools in the initial version of IIgs ROM
- TS3-Required for latest version IIgs.
- Resource.Mgr-Required for system to boot. INIT file.
- Sys.Resources-Used by Control Panel and Tools.

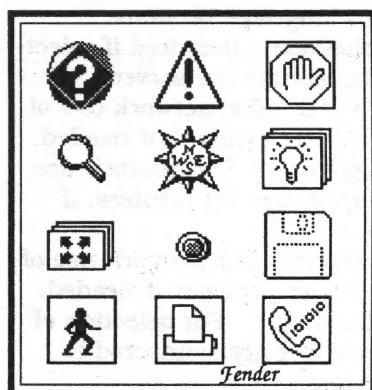
CDevs

This folder contains all of the IIgs Control Panel Devices (CDevs)

- Alphabet - Allows for

foreign language versions.

- AppleShare - Required if selecting AppleShare file servers.
- ATtWriter - For network use of ImageWriter printers, if needed.
- ATlQWriter - For network use of ImageWriter LQ printers, if needed.
- ATlWriter - For network use of LaserWriter printers, if needed.
- DirectConnect - For selection of printers directly connected to computer.
- General - For setting general system parameters.
- Keyboard - Sets keyboard parameters.
- Modem - Controls modem port.
- Monitor - Controls 40/80 column switch and video display.
- Mouse - Sets mouse parameters.
- Printer - Controls printer port.
- RAM - ALWAYS include this. It is the only way to set size of GS/OS Disk Cache. The Cache is memory set aside for GS/OS to save copies of blocks from the disk after it first reads the disk.
- Slots - For selection of slot settings/startup slot.
- Sound - User control for sound pitch/volume.
- Time - Sets internal clock's time and display.
- CDev.Data - Only required if using the same CDevs from the System.Disk.
- DESK.ACCS - Needed if Desk Accessories (DA's) are to be used with GS/OS. All of the DA's are placed here. With System 5.0 or later, you can access DA's from the Apple Menu in upper left corner of screen.
- CtlPanel.NDA - A New Desk Accessory that allows the user to control almost all system parameters, and to choose printers and file servers.
- ExpressLoad - This is what REALLY speeds up GS/OS disk access. It will only be installed on systems with more than 512k memory.



Creating Custom Icons

By Wade S. Blomgren

UCSD Academic Computing Services
© 1987 - Distribute Freely

Hello, Icon seekers!

Please read the whole document before you start, and do not use ResEdit on the only existing copy of your file...

Follow these instructions to the letter (famous last words) and don't change items not discussed here. When you are done, simply exit ResEdit. If your icon does not appear, reopen and check everything. If it still doesn't appear, and you are sure all ID's, etc., are OK, you have two choices:

1. Re-boot and hold down the clover and option keys to rebuild the desktop.
2. Use ResEdit to remove the 'secret string' resource associated with your program from the actual desktop file itself. (Carefully)(see below re: secret string)

If the icon still does not appear, send me mail and I will send or post a complete set of the required resources in a binhex'd file.

• NOTE •

It appears that if you follow the recipe but make an error, once you fix the error, you will have to use one of the methods above (1 or 2) to disassociate your program from the default icon.

If you make no errors the first time, icon should appear automatically.

System Used: Mac+, Dataframe20, System 3.2, Finder 5.3, ResEdit v1.0 d7.

Applications on which this method has been used were created with LightspeedC v1.02. Success has been reported with many other development systems.

Here We Go!

Open your application with ResEdit.

Create a new entry of resource type BNDL (bundle) by choosing New from the File menu.

Open the new BNDL resource category and create a new BNDL resource.

The new BNDL resource should open before you.

Choose Get Info from the File menu. Change the ID of the BNDL resource to 132. Close the Get Info window.

Set the 'Owner name' field of the resource to a 4 character string which is unique to your application (e.g., my application called PrintGate uses PRGT, MacPaint uses MPNT). Make up your own string. We will use "TEST" for this example.

Make sure the 'owner ID' is set to 0.

Drag the BNDL resource window into full view with the mouse.

Click once on the row of asterisks at the bottom of the resource window, which will cause the asterisks to be surrounded by a box, and select New from the file menu.

This will create a new type entry. Set the type to ICN#.

Click on the row of dashes at the bottom of the window. A box will surround the dashes. Select New from the File menu. This will give you some ID# boxes.

Set the local ID to 0. Set the rsrc ID to 128.

Now click on the asterisks at the bottom of the screen, and select New from the File menu. This gives another type entry. Set this type entry to FREF.

Click on the dashes under the FREF entry, and select New from the File menu.

Set the local ID to 1, and the rsrc ID to 129.

Note that the FREF ID values both differ from the ICN# values.

Close the BNDL resource. Close the BNDLs resource type window.

Create a new resource entry of type ICN#.

Create a New resource in the ICN# window. Select the new Icon and edit the image. While the icon's window is open, choose Get Info from the File menu. Set the ID of the Icon to 128.

Close the ICN# resource.

Open a new resource type entry of type FREF.

Create a new FREF resource. Set the file type to APPL. Set the icon local ID to 0. Set the file name to the actual name of your application (not the 4 character 'secret string'). While the FREF resource is open, choose Get Info from the File menu. Set the ID to 129.

Close the FREF resource.

Create a New resource type named with the same 4 letter 'secret string' you put into the BNDL resource (e.g., 'TEST').

Create a new resource of this type.

Choose Get Info from the File menu on your special resource type.

Set the ID to 0.

Close the special resource.

Close the resource window for your file.

While your file name is still highlighted in the ResEdit window, choose Get Info from the File menu. The type field should already be set to 'APPL'. Set the creator field to your secret 4 letter string ('TEST'). Now, make sure the Bundle flag box is checked.

Close the info window.

Quit ResEdit.

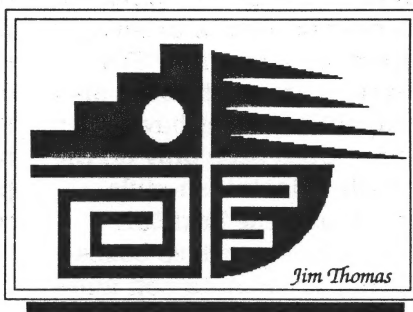
You should have responded "Yes" when ResEdit asked you whether to save the various changes you made to your file. If your icon does not appear, see the introductory paragraph above.

Once the scheme has worked, you can cut the 4 resources (BNDL, FREF, ICN#, TEST) in ResEdit and paste them into a holding file, and slap them into your application all at once after a given compilation. Then all you have to do is set the creator name (your secret string - in Get Info on your file within ResEdit) and check the Bundle flag. That's all!

MUG NEWS SERVICE, Aug. 1988

Reprinted with permission from MOUSE DROPPINGS, April 1988

Ed Note: We will be exchanging newsletters w/Mouse Droppings from now on.



Alan Kay, Ph.D And Computers of the Future

Alan Kay is best known as one of the pioneers of personal computing. He invented the Smalltalk language, the overlapping window interface and many other innovations in computer design while at Xerox PARC (Palo Alto Research Center). Currently, Dr. Kay is working for Apple Computer, where he holds the select title of Apple Fellow. A jazz guitarist, he designs, plays and builds keyboard instruments. Dr. Kay founded the Vivarium (defined as "an enclosed environment for life."), a laboratory school in Los Angeles, designed to help understand more about what children are capable of and what, if anything, the computer can amplify within their reach and sensibilities.

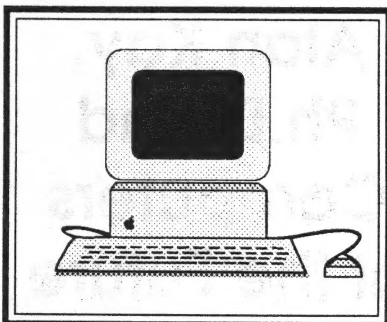
Editor's Note:

I've heard Dr. Kay speak MANY times while working with Apple Inc. and The User Group Advisory Council, and he is one of the most interesting speakers I've had the pleasure to hear. Dr. Kay's insights to the future are laced with (dry) humorous quips, plus his show and tell examples of video clips and slides keep the audience on the edge of their chairs. The main problem with his presentations are that they end. After listening to him for an hour one time, and he said goodbye, thanks for inviting me, I thought he was joking, because seemingly, he just got started.

Jerry...

New! Improved! Apple IIGS System 5.0

By Gregg Williams



This article originally appeared in the June 1989 issue of Apple Direct.
Editor's Note:
(See page 30, "As Appeared In Quick Connect" for credits Re; this article)

Computers are machines, but they differ from most machines in one respect: You can vastly improve them without changing their physical composition. When you change application software, you change what a computer does. When you change system software, though, you change what it can do.

Apple® IIGS System Software 5.0, available this summer, gives owners a computer that can do more. It delivers a consistent, high-power environment to the Apple IIGS user: a faster, more powerful GS/OS® and an all-graphics, more intuitive Finder™ desktop environment. GS System 5.0 also allows the Apple IIGS to connect to a network through AppleShare®.

"Much Faster." These two words are arguably the most important phrase that characterizes GS System 5.0 ("AppleShare" is equally important; see below). Apple engineers have made speed improvements in many areas

of this system software. Overall, windows are now drawn faster and are more responsive (especially when the mouse moves them). Smarter drawing algorithms also help speed things by redrawing only as much of the desktop as has changed.

Another new feature is ExpressLoad, a new file format (transparent to the user) that loads files much faster than they otherwise would. Apple engineers estimate a speed increase of between 2 and 5 times faster for files created in ExpressLoad format. They also claim a fourfold improvement in the speed of the SCSI driver.

GS System 5.0 is also faster when exiting a ProDOS® 8 application; this occurs when you run any ProDOS 8 application from the (16-bit GS/OS) Finder. Formerly, since the Apple IIGS was running the ProDOS 8 application, it had to reload the GS/OS from the disk. The new GS System 5.0 retains GS/OS memory and returns control to it when you exit the ProDOS 8 application.

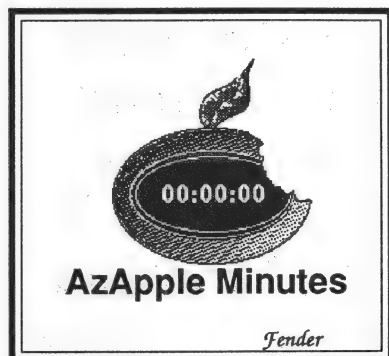
Powerful Development Environment. GS System 5.0 includes enhancements to several managers, drivers, and FSTs (File System Translators). It also adds capabilities that have, until now, been seen only on the Macintosh—Macintosh-style resources, and the TextEdit package, which provides boxes of text that are maintained auto-

matically by system software (e.g., typing, cursor insertion, back-spacing, selecting text by dragging the mouse).

AppleShare Aware. A new capability of interest to users is GS System 5.0's ability to connect to AppleShare. (This is done in software only, meaning that the only things the user adds are GS System 5.0 and the network connection.) The Apple IIGS, connecting to an AppleShare network through a serial port, can access network file servers and shared printers as though they were directly connected to the computer; the file servers appear as icons on the desktop, and both file servers and printers can be selected through the Control Panel. An Apple IIGS can also be started from an AppleShare file server, a very important capability for the classroom.

New Tools. GS System 5.0 includes a number of tools that contribute to a more intuitive graphics-only interface. The most important one is the Control Panel, which has a scrolling vertical strip of panel icons, each of which displays its control panel when selected. The Advanced Disk Utility offers a more intuitive interface for partitioning, initializing, and erasing volumes. The Installer customizes your startup disk to reflect your configuration and peripherals (e.g., extra fonts, AppleShare, MIDI devices, local and networked printers, etc.).

greg...



AzApple Minutes

*By Dianne Kinsman
Secretary*

AzApple User Group Board Meeting Minutes

October 19, 1989

Denny's located at 2200 West Northern, Phoenix, Arizona

Meeting as called to order at 7:13 pm by Craig White, Chairman of the Board.

Officers present: Jerry Cline, President; Craig White, V Pres; Dianne Kinsman, Secretary; Mike Dennis, Treasurer.

Board Members present: Jack Fouquette, Paula Petersen, Barry Prowell, Jack Upfal, Wayne Wilcoxon. Board members not present: Barbara Hunter and Bob Smith.

Others present: Gail and Matt Stoner, AzApple Members.

Introduction of newly elected officers and board members as follows:

- Jerry Cline - President
- Craig White - Vice President
- Dianne Kinsman - Secretary
- Mike Dennis - Treasurer
- Jack Fouquette - Dir at Large, Historian
- Barbara Hunter - Dir at Large, '90 Fiesta Assist. Exhib Chairman
- Paula Petersen - Dir at Large, Music SIG Chairman
- Bob Smith - Dir at Large, Education
- Jack Upfal - 90 Fiesta Director
- Wayne Wilcoxon - Dir at Large, Mac Librarian

Traditionally, the president of the club has held the position of Chairman of the Board. Last year, due to time restraints that Jerry had, Chairman of the Board was taken over by the Vice President, Craig White. Jerry's time has been freed recently and Craig needing more time to devote to AzBug (Az Business User Group - Part of AzApple User Group) it was motioned and carried that Jerry again take over as Chairman of the Board. Meeting was then passed on to Jerry Cline.

Jerry Cline reported that Joe Tvedt was contacted by the IRS to do a Corporation report of gross earning for year 87 - 88 and arrangements were made to get the info to Joe.

Mike Dennis suggested we have a list of important papers (insurance, contracts) and persons/companies that AzApple User Group does business with passed on to the board members so if anything were to happen to the key personnel we could carry on. \$100.00 was given to Jerry Cline for the postage for mailing the Journal needed by next week. Craig White was reminded Metro Tech needs to be paid for November.

A motion to accept the Sept '89 minutes as posted was seconded and carried.

GS Public Domain Library Report: Matt Stoner
Matt collected a total of \$171.00 on Saturday October 14, 1989.

Selling the 3.5 disks for \$3.00. The Mac and Apple // Libraries requested 500 blank disks to bring the library up to date.

Discussion followed on all libraries needing labels and disks. Craig White will obtain the labels and Rick Bowers will be asked to help design the 3.5 disk labels. Jerry said the costs will be approximately \$375.00 for labels and disks needed at this time.

Fiesta Report - Jack Upfal
Next Fiesta Meeting to be held October 28th at Missions Palms Hotel in Tempe, all are invited and urged to attend. Regarding past due accounts from Fiesta '89: Jerry will contact Apple and Checkmate Tech. and Craig White will contact Computers Plus. Mailings to go out to exhibitors by the end of this month.

November General Meeting: Mike Hicks from Claris will be giving AppleWorks 3.0, MacWrite II and Filemaker II presentations.

Hypercard stack that Craig White is preparing has approximately 4 more hours of work and then it's be ready for distribution.

Jerry Cline has prepared a database of over 2,000 names of Apple // and Mac owners. The cost of a flyer and mailing will cost \$600.00. We would like to have vendors sponsor this mailing, hopefully at no cost to us. Preferably we would like to see such a mailing done every month or so and we need a strong membership person to take control of this project on page 13 AzApple Mins

Free Subscription

The Southwest Computer & Business Equipment Review delivered each month by mail to your home or office.

Offer only to regular members of The Arizona Apple User Group

Mail Form to:
Southwest Computer Revue
PO Box 1027
Scottsdale, AZ 85252-1027
602/946-5005

Name

Business Name

Title

Address

City State Zip

Phone #

Now in our 4th year of publication

Special Interest Group Announcements

The AzApple Journal SIG
8-9:30 AM - Lecture Hall.

The GS Roundtable SIG will meet at the November meeting from 8-9:30 AM in Room #2237.

Genealogy SIG 2:30 - 4PM in Room #2237.

The Apple Fiesta SIG meets on the 4th Saturday at Dan Carroll's home. Call Jack Upfal, see page 29.

Music SIG - 8-9:30AM - Lecture Hall

Note: The SIGs (except Apple Fiesta SIG) meet during the AzApple meetings on the second Saturday of each month.

Other Apple Computer Club Announcements

No extra curricular activities by other local groups were noted for this month

Calendar of Events

Whatever events you hear of, let us know what they are so we can track them here.

Macintosh Conference & Exposition

Nov 29- Dec 1 '89

Long Beach Conv Center - Long Beach, CA

For more information, call Jerry Cline 992-7035.

Calendar for MacWorld Expos

The 1990 MacWorld Expo will be held in:

San Francisco April 10-13, 1990.

Boston from August 8-11, 1990

The 1991 MacWorld Expo will be held in:

San Francisco on January 10-13, 1991.

Washington, DC Macworld Expo -

April 16-19, 1991

August 6-9, 1991

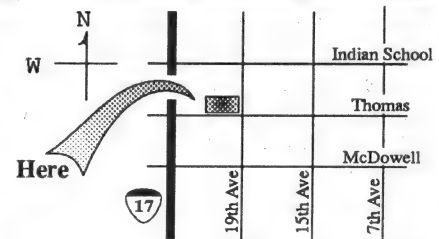
MacWorld Exposition's recently completed fifth consecutive run in Boston this past August featured 400 companies with 47,000 attending.

Apple Fiesta '90 June 15-17, 1990

If you have news of events which should be listed here, call Jerry Cline, 602/992-7035, or The Arizona Apple Tree 264-03800, and either leave Feedback to The SysOp or Post to Branch 2.

AzApple Meetings are on the second Saturday of each month on the Northwest corner of 19th Ave and Thomas Rd in Phoenix. We

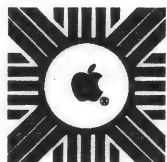
start at 8 AM and go through the day to 4 PM. See the schedule on page 32.



AzApple meets at MetroTech

Apple Fiesta Committee Leaders

Sponsored by
The Arizona
Apple User
Group



Apple Fiesta 1989 Chairman
Jack Upfal
602/963-9643

Registration Director
Dianne Kinsman
602/569-9313

Exhibitor Director
Jerry Cline
(602/992-7035
Barbara Hunter (Apple//)
602/772-6996

Education Director
John Little
602/931-2895

Special Needs Director
Michele Taylor
602/942-4374

Advertising Sales
Jerry Cline
602/992-7035
Wayne Wilcoxon
602/439-0736

Speaker Director
Mike McCarthy
602/877-2755

AzApple Mins. Cont. from page 11

Journal Report Jerry Cline, Editor

The Nov. Journal went to the printers on Wednesday October 18th. The Current Journal has 32 pages plus cover and costs are \$655.00 Jerry said he plans to have more ads to help with the cost but would have to add one signature (4 pages) at a total Journal cost of \$720.00. The current Journal has two (NEW) major advertisements, Microsoft and Guy Kawaski. There are also a lot of Southwestern Clip Art. graphics courtesy of Jim Thomas from Flagstaff. The Saturday AM Journal SIG worked out so well it will be continued.

Special Needs Barry Prowell

BBS is averaging twenty-six calls per day and has 305 users. At the end of September, the modem died on the BBS. He replaced it with his own and that died in about three days. The BBS was down for a total of five days while he was on vacation and the second modem quit operating. He purchased another modem because both of the ones he used were out of warranty. He chose Practical Peripherals 2400SA (\$199.00). There are cheaper modems available but little more than a year warranty. Also, the modem must be compatible with the GBBS Pro version he is running. After consulting other Sysops running his revision he decided upon the Practical Periph-

erals because 100% compatible and was warranted for five full years. He is to be reimbursed for the new modem. Barry and Michelle Taylor have an idea for a formal grant from Apple for a new system. Barry will be reporting on this as things progress.

Other Business

Dianne Kinsman and Jerry has given some thought to a meeting of Ole Timers of AzApple' get together and discuss the early years of AzApple and Adam II and start a continuing article in the Journal. Jack Fouquette, being the Historian would be a perfect choice to chair this project.

Matt Stoner suggested we have a Hyper Studio to serve as a Demo at Fiesta and General Meetings like Craig White's Hypercard Stack on AzApple which works out great at promotional functions.

Dianne Kinsman has various brochures on Videos and Training tapes that the club could look into purchasing and then charge a small fee for the members to check out on a monthly basis. Jerry Cline will look into the legalities of this (copyrights, etc.)

It was decided all future board meetings will be held on the third Thursday of the month at 7 PM. Meeting location to be decided.

Meeting was adjourned at 8:35 pm.

Respectfully submitted,
Dianne Kinsman
Secretary



Computer Services

Programming for
Apple // and Macintosh

- Desktop Publishing
- HyperCard Programming
- Illustration / Graphic Design
- Custom Music and Sound Effects
- Animated, Interactive Desktop Presentations

Ric Bowers (602) 225-9212 - Phoenix, Arizona



Mac SE FDHD and Mac SE/30



**\$250 Rebate
when you buy a
Mac SE & an
Apple printer.**

New Mac SE FDHD offers you 1.4 Meg 3.5" drive which can read and write to:

**800K Apple ProDos
1.4 Meg OS/2 format
720K MS DOS format
400/800K Mac format**

We think Macintosh SE FDHD with 68000 microprocessor is the most cost effective computer in terms of what you get per dollar you spend, whether you use it for school or college homework, word-processing, spreadsheet, or desk-top publishing.

Mac SE FDHD with 1 Meg RAM, 40 Meg hard drive, standard keyboard...\$2499

Mac SE FDHD with 1 Meg RAM, 100 Meg hard drive, standard keyboard...\$2799

Mac SE/30 with 68030 microprocessor and 68882 co-processor provides speed for applications requiring additional power.

Mac SE/30 with 2 Meg RAM, 40 Meg hard drive, standard keyboard.....\$3599

Mac SE/30 with 2 Meg RAM, 100 Meg hard drive, standard keyboard.....\$3999

Upgrades (Memory & Hard Drive installation):

Memory Upgrade for Mac SE or Mac SE FDHD upto 2.5 Meg \$299, upto 4 Meg \$549

Memory Upgrade for Mac SE/30 upto 4 Meg.....\$549, upto 8 Meg.....\$1049

Hard Drive installed in your Mac SE: 40 Meg \$399, 100Meg \$799

Add 6.7% Sales Tax to all prices. All prices subject to change without notice.

COMPUTERS PLUS COMPANY

2303 North 44th Street #2

(North East corner of 44th St. & Oak St.)

Phoenix AZ 85008

Phone: 602-955-1404



Authorized Reseller

What's Cooking on The Apple Tree BBS?

This section is
a clip from the
Apple Tree's
"What's
Cooking
Branch"

By Don
Davidson



Sub =>PEANUT BUTTER
COOKIES
From ->JOHN BOHN (#157)
Date ->04/25/86 01:48:09 AM

Peanut Butter Cookies

1 Cup sugar
1 Cup peanut butter, preferably
chunky style
1 egg
1/2 teaspoon vanilla extract
Mix all ingredients thoroughly in a
large bowl.
Use a teaspoon to place dough on
a dry cookie sheet.
Bake 13 minutes in a preheated
325 degree oven.
Leave cookies on cookie sheet for 1
minute after removing from oven.

Jog 5 miles after eating these
cookies.

Please do not eat these cookies
while watching any members of
the Osmond family on television-a
severe diabetic reaction could
follow!

Sub =>GOOD BREAD/
From =>DON DAVIDSON (#261)
Date =>07/21/88 18:20:41

Favorite Recipe For: Poppy Seed Bread

From The Kitchen Of: Jan
Davidson
1 Cup HOT Water
1/4 Cup Poppy Seeds
1 Pkg. Yellow Cake Mix
1 Cup Salad Oil
1 Pkg. Coconut Instant Pudding
4 Eggs

Put Poppy Seeds in HOT water
and set aside.

Preheat oven to 350 degrees.

Mix together cake mix, instant
pudding, salad oil and eggs. Add
poppy seed mixture to cake
mixture and beat 4 minutes.
Bake at 350 degrees, in 2 loaf
pans. Cool for 5 to 10 minutes
and remove from pans.

Don...

**Biz card ad
space is
available
for only
\$10/month
or
\$100/year.**

Call Jerry Cline
602/992-7035



"TAKE TIME AND TRAVEL"

Time Travel 

18631 N 19th Ave • Ste 176, Phoenix, AZ 602/978-8900
6611 W Peoria • Ste F10, Glendale, AZ 602/878-2800
13808 N 51st Ave, Glendale, AZ 602/978-8900

Computer Cable Specialists

2432 E Indian School Rd • Phoenix, AZ 85016

Interface Cable assemblies for most computers
and peripheral manufacturers

Cable Installation • Custom Cables • Fiber Optics
Robert Baker 602 955-0426



A Smaller Byte Of An Apple

by Derek Cline - Age 13

Digging up the "Oldies"

A Review of -
Aztec Adventure
An archaeological adventure
game by DataMost
An old Apple // family game
Priceless (DataMost is no
longer in business)
By Derek Cline

My Dad really likes the Apple//e and recently I became interested in using it, wanting to compare it to the Apple IIGS. So I dug out some of our older games. Among them I found one called **Aztec Adventure**. This is a game my nineteen year old sister used to play when she was my age, and I thought I would try it. I put this oldie in the disk drive,

loaded it up, and became so totally involved in the excitement of playing this great game that my mind was just focused on trying to "stay alive". I was really the person in the game, my brain had actually left the room, I was transformed into the man (I'd like to think I'm Indiana Jones) exploring every level of the caves, looking in trash piles, and opening boxes searching for weapons to stay alive in my search to **Find the Idol**. The object is to go through the maze of caves dodging the dangers of scorpions, small and large rattle snakes, huge and small spiders, alligators, killer tigers, and guards that shoot arrows. But it's very frustrating when you keep getting killed. My Dad couldn't pry me away from the computer for hours. Like I said, I was gone.

Being an early 1980's game, Aztec Adventure is well written. For example, when beginning, you're given choices of playing the last game over, starting a new game, or resuming an old game you've saved. Here is a hint about saving

games. Be sure to save your game right after you find the Idol because you still have to get out once you have it in your possession. Believe me, you're going to get killed a few times after you get the Idol. There is also the choice of starting in levels one through eight. Level one is for beginners and level eight is the most difficult.

You will find the body of Dr. Von Forester. He was the guy that originally found the Idol and got killed. However, before he died, he set all kinds of traps to keep you from getting the Idol. He left some mighty nasty tricks behind, like sticks of lit dynamite in trash piles. When you find these, you have to escape from them FAST, or you'll get blown up! Also, take care when you take the Idol from the box because lit dynamite usually falls on you as you remove the Idol.

Aztec Adventure is for a single player and is controlled by the keyboard not a joystick. The keys are a cinch to learn. For example, the 'A' key is left.
Cont. on page 23 - See Aztec

DEREK'S TOP TEN...

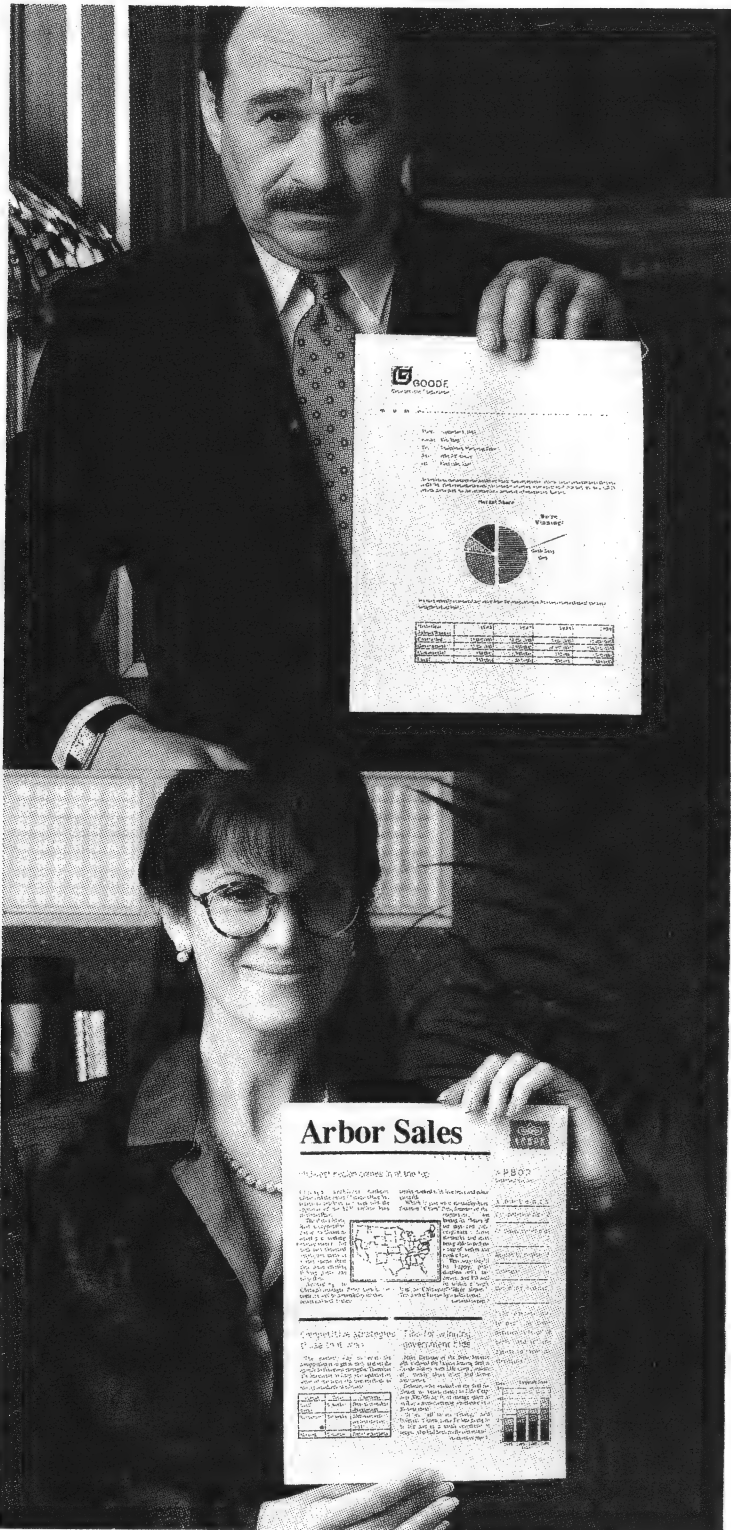
I review games for the Apple IIe, Apple //gs & Mac computers and I develop a top ten list every month. If you have anything you would like me to consider, please call:
Derek Cline
3035 East Topaz Circle
Phoenix, AZ 85028
602 992-7035
Leave E-Mail on:
The Arizona Apple Tree - #90
America OnLine - DerekCline

The **RANK** scale reflects how I feel about the game overall. NO game can get a complete 10 points unless the graphics, sound, and action is SUPER!... For the last and final point, it must be able to be installed on my hard disk WITHOUT the need of a key disk. The **GRADE** scale is: 1) Super, 2) Good, 3) Fair, 4) Poor.

1. Beyond Dark Castle - Silicon Beach
2. Space Quest II - Sierra (Mac)
3. Skate or Die-Electronic Arts (IIGs)
4. Police Quest-Sierra (Mac and IIGs)
5. Aztec Adventure-Datamost (II family)
6. California Games - Epyx (IIe, IIGs)
7. Ultima Trilogy-Origin (IIe)
8. Tetris - (Mac and IIGs)
9. Shufflepuck Cafe-Bruderbund (Mac)
- 10 Man Hunter New York-Sierra (IIGs)

Graphics	Sound	Action	Rank
1	1	1	10
1	1	2	9
1	1	2	8
1	1	2	8
2	2+	2	8
1	1	2	7+
2	2	2	7
1	1	2	7
1	2+	2	7
2	1	3	6

There's a Word for people like you.



Whether you're a marketing maven on your way up, or a seasoned executive simply trying to make your point, when it comes to putting thoughts down on paper, Microsoft is the Word for you.

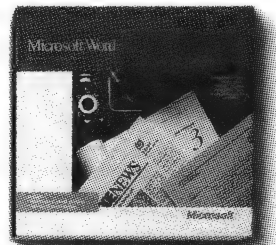
And our users aren't the only ones who think so. Recently, the editors of *Mac User* gave Microsoft® Word version 4.0 the highest rating of any Macintosh® word processing program. Period.

Not altogether surprising. You see, besides being perversely committed to R&D, we use a highly sophisticated approach to improving our product. We listen.

All of which has led to innovations like Word 4.0's powerful Table feature, enabling users to create side-by-side paragraphs, lists and even forms, without the hassle of dealing with tabs.

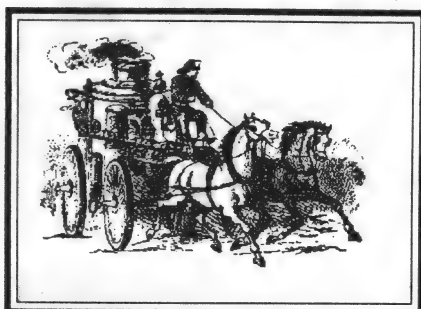
What's more, Word 4.0 can even import Microsoft Excel tables and charts and automatically update them. Making it easy to ensure accuracy. Plus, Microsoft Mail can be sent from within Word 4.0, significantly boosting workgroup productivity.

For something a tad more informative than this ad, call (800) 541-1261, Dept. K25, to receive a brochure or the location of your nearest dealer. You'll find that no matter what type of word processing you're performing, you could be doing it better. Just take our Word for it.



Microsoft®
Making it all make sense™

Customers inside the 50 United States, call (800) 541-1261, Dept. K25. In Canada, call (416) 673-7638. Outside the U.S. and Canada, call (206) 882-8661. © Copyright 1989 Microsoft Corporation. All rights reserved. Microsoft and the Microsoft logo are registered trademarks and Making it all make sense is a trademark of Microsoft Corporation. Macintosh is a registered trademark of Apple Computer, Inc.



Information From Arizona's Best...

AzApple Aides

AzApple Aides are an added value to your AzApple membership. This is a list of people you can call when you are in need of assistance.

AzApple Aides is a list of members who are not necessarily experts, although some are, on the item for which they are listed. They use or have had some experience with the item listed, are familiar with it and may be able to help you through a problem with new software, printer, or whatever. Or, if you are considering a new purchase, you might want to check details with these users. These people are UN-paid volunteers. The phone given is generally their home number, so call at a reasonable and appropriate hour and be considerate of their time.

"A" = Apple // Family and "M" = Macintosh Family

ACCOUNTING/FINANCIAL

Dollars & Sense		
Brian Abraham	A	938-7258
Home Accountant		
Don Ascoli	A	839-3267
On Balance		
Jerry Cline	A	992-7035
Managing your Money		
Dennis Smith	A	953-1265
Ken Vatz	A	708-441-7311

BEAGLE BUDDIES

(Assist w/Beagle Stuff)

David Blackwell	A	892-4240
John Bohn	A	955-8543
David Fein	A	993-3038
David Scott	A	977-2433

BUSINESS SOLUTIONS

Craig White	M	271-4422
Andy Niemic	M	971-4011
MacProject		
Dennis Smith	M	953-1265

DATA BASE APPLICATIONS

4th Dimension		
Steve Playford	M	843-8420
AppleWorks		
Jerry Cline	A	992-7035
Jim Lewis	A	979-2060
General Manager		
Al Coir	A	846-7402
List Handler		
Bob McKee	A	945-2964
Magic Office System		
Bob McKee	A	945-2964

DESK ACCESSORIES/UTILITIES

Craig White	M	271-4422
-------------	---	----------

DESKTOP PUBLISHING

PageMaker		
Craig White	M	271-4422
Ron LaMee	M	992-8309
Geo. Anderson	M	895-6710
Andy Niemic	M	971-4011
Jerry Cline	M	992-7035
Publish It		
Paul Langlois	A	345-0004

GRAPHICS

MacDraw		
Craig White	M	271-4422
MacPaint		
Craig White	M	271-4422
SuperPaint		
Ron LaMee	M	992-8309
Geo. Anderson	M	895-6710
Adobe Illustrator		
Geo. Anderson	M	895-6710
Freehand 2.0		
Craig White	M	271-4422
Andy Niemic	M	971-4011
Geo. Anderson	M	895-6710
Scanners		
Dest Scanner		
Geo. Anderson	M	895-6710
Apple Scanner		
Image Processing		Need
ImageStudio		
Geo. Anderson	M	895-6710

DISK DRIVES

5-1/4" Floppy		
Jerry Cline	A	992-7035
Chinook Hard Drive		
Jerry Cline	AM	992-7035
Sider Hard Drive		
Jerry Cline	A	992-7035

GENEALOGY

Family Roots		
Bob McKee	A	945-2964

GRAPHICS

DazzleDraw		
Neill McDill	A	996-2516
General		
Clayburn Juniel	A	274-6905

HYPERCARD

Robert Swierski	M	894-1390
Craig White	M	271-4422

LANGUAGES/PROGRAMMING

Assembly (6502)		
Don Lancaster	A	428-4073
Clayburn Juniel	A	274-6905
BASIC		
Bob Smith	A	247-9598
Fortran		
Brent Gifford	A	486-1938
PostScript		
Don Lancaster	A	428-4073
SuperPilot		
Pete Lafford	A	345-0515
ZBASIC		
Tom Vincent	A	263-8017

MUSIC

Music Writer Pro		
Dave Freiberg	A	345-8259
Paula Peterson	AM	866-1650

December 1989

OPERATING SYSTEMS

SYSTEM/FINDER

Craig White	M	271-4422
GS/OS		
Matt Stoner	A	997-0548
CP/M		
G Holmerud-Nye	A	243-6136
DOS 3.3		
Clayburn Juniela		274-6905
ProDOS		
Clayburn Juniela		274-6905
Jerry Cline	A	992-7035
Bob Smith	A	247-9598

PERIPHERALS, HARDWARE

General Hardware		
Bob Smith	A	471-9598
Koala Pad		
Ron LaMee	M	992-8309
Shufflebuffer		
Jack Fouquette	A	839-7565

PRINTERS

Dot Matrix		
ImageWriter		
Jerry Cline	AM	992-7035
Epson RX		
Jack Fouquette	A	839-7565
Okidata		
Don Ascoli	AM	839-3267
ProWriter		
Willie Zunker	A	943-0308
Daisywheel (Letter Quality)		
Star Powertype		
Jack Fouquette	A	839-7565
Laser Printers		
LaserWriter		
Don Lancaster	M	428-4073
Craig White	AM	271-4422

PRINTER INTERFACES

Apple Dumping		
Don Ascoli	A	839-3267

PUBLIC DOMAIN LIBRARIES

Macintosh		
Wayne Wilcoxon	M	439-0736
Apple II		
Mel Goodwin	A	943-1733
Matt Stoner	A	997-0548

SPREADSHEETS

Magi/Ace/IAC-Calc		
Bob McKee	A	945-2964

TAX PROGRAMS

Tax Advantage		
Bob McKee	A	945-2964

TELECOMMUNICATIONS & MODEMS

America OnLine		
Jerry Cline	AM	992-7035
Jim Lewis	A	979-2060
CompuServe		
Steve Playford	AM	843-8420
GEne		None?
Modems		
Jerry Cline	AM	992-7035
Steve Playford	AM	843-8420
Bob Smith	A	247-9598
ProTERM		
John Kemper	A	966-5802
Jerry Cline	A	992-7035
Steve Playford	A	843-8420
BBS		
Jerry Cline	AM	992-7035
Red Ryder		
Robert Swierski	M	894-1390

WORD PROCESSORS, SPELLERS, ETC..

AppleWriter //e		
Jerry Cline	A	992-7035
Don Lancaster	A	428-4073
Neill McDill	A	996-2516
ApMail II		
Bob McKee	A	945-2964
AutoWorks		
John Bohn	A	955-8543
Bank Street Writer		
Jo Walker	A	488-3168
Magic Window //e		
Jack Fouquette	A	839-7565
MouseWrite		
Neill McDill	A	996-2516
ProTERM		
Jerry Cline	A	992-7035
Word Juggler		
Brent Gifford	A	486-1938
WordStar		
Steve Schiefelbein	A	862-4217
WriteNow		
Joe Tvedt	M	870-1810
Word (Microsoft)		
Ron LaMee	M	992-8309
Dennis Smith	M	953-1265
Coach Professional		
Geo. Anderson	M	895-6710
MacWrite		
Craig White	M	271-4422

UTILITIES & ACCESSORIES

Need Names & Categories Here

NOTE: We really need your help as an AzApple Aide!

Help build AzApple by sharing your expertise, occasionally helping others. Check the list and see where you could assist? If we all share our ignorance, soon we'll have none left. Also, look for unlisted categories! Call Jerry Cline, 992-7035, and say, "I see an unlisted category, or add my name to categories already listed"





AzApple Journal SIG

Last month the first AzApple Journal Special Interest Group (SIG) met at 8AM and read through most of the pages making numerous corrections and suggested changes. This method works because several people give their input-discovering the many mistakes which can be induced when only one person sees the product from start to finish.

In addition, that Journal was mailed earlier than usual, ensuring that it would reach all members well before the meeting.

We will make every attempt to see all of the above happen in future Journals and if you have suggestions, we welcome your input, whether it is being involved in the Journal SIG, or calling in or mailing your suggestions.

Attempting to lighten the load of getting The AzApple Journal published, I now have several Journals started in advance. Although articles submitted by AzApple members take first priority, when we do not have enough from members to suit our needs, we are easily able to select from many other sources. There are some 1200 Apple/Mac user groups. Many of them produce newsletters and many of them make their articles available via telecommunications and/or on disk as well as on pa-

A Byte of My Apple

by Jerry Cline, President AzApple

per. This information is appearing on the different telecom services especially America OnLine where we even have separate newsletter libraries for Mac and Apple // newsletter editors. News and new product information releases are a good source of interesting information. Actually, material is so abundant from so many sources, the hard part is to select the best and most applicable ones. This is a new area of opportunity for us and to get the most out of it, we'll need assistance. I would like to set up a Readers Staff whose job it would be to read articles and re-submit them for possible use in The Journal. The easiest way to do this exchange is via telecommunications, using The Arizona Apple Tree BBS, but we could work out a disk exchange for those not using telecommunications.

I would like input from you on this.

See Us At The Library

Starting with this issue, I've made arrangements so AzApple will now be represented in the Main Branch of the Phoenix Public Library. The next time you visit that Library, take a quick look at the Periodicals Rack and see if The Journal is there. We will follow this up by submitting the AzApple Journal to the other Libraries around town, at least the main ones in the Phoenix metroplex. Give me your thoughts on this and other ideas where The Journal and AzApple will get exposure to more Apple family computer users.

Neighboring User Groups

I had a chance to visit with some good friends at Sun City West November 10th. Burley Packwood, a Sun City West computer user, well known author, and traveler, just finished a book using his Apple //c. Burley gave me the opportunity to do all of the layout work using a Mac SE and LaserWriter for the final preparation of getting his book published. Burley gave a presentation at the beautiful Sun City West facility on how to author a book and I assisted him by describing the details of how I converted his AppleWriter ASCII text in DOS 3.3 to 230 finished pages in PageMaker. The book's name is *Quail In My Bed* and it's a story of how an almost dead, one day old quail became the dominant member of the Packwood family. Its a great looking, wonderful reading book which makes an ideal Christmas present and the cost is only \$7.35. I have some of them for sale, call me if you would like more information on the book or the how to details of getting it published.

Special Needs Online

Barry Prowell, our own Mr. Manners, will have his own nation-wide Forum for Special Needs on America OnLine starting this month. Barry has been so dedicated to the needs of others he certainly deserves the recognition. Look for this special new service for the handicapped in The User Group Forum. Our Forum is growing. Don Rittner of MUG News Service is also with us in the UGF now.

jc...

Quality from Chinook Technology

All Chinook Drives Feature Voice Coil Actuator Technology
and
Servo Head Positioning

Dear SCSI Hard Drive Purchaser;

Fancy words, Voice Coil Technology and Servo Head Positioning. No, we're not going to try and explain these concepts in this small ad. For our Technical Note, "The Advantages of Voice Coil Actuator Systems", please contact your authorized Chinook dealer, Jerry Cline.

The facts are that not all hard drives are created equal. If your prime concern is a reliable, high performance hard drive... a hard drive with voice coil technology is superior to the old stepper motor technology used in the less expensive hard drives. Read the tech-note, then make your purchase decision.

The Chinook line of hard drives come in the following capacities:

Model	Capacity	Access Time	Look-ahead Cache
CT-20	20 Megabytes	27ms	8K
CT-40	40	25ms	8K
CT-80	84	19ms	64K
CT-105	105	19ms	64K

All SCSI drives are Apple IIe and IIGS compatible. Please add the Apple II SCSI card and stir. Maintain 100% GS/OS compatibility with the Chinook SCSI drive/Apple II SCSI card combination.

Apple IIc and IIc Plus Owners;

The C-Ram with C-Ram Run RAM disk software is shipping. The C-Ram is a 100% compatible memory expansion card for the Apple IIc Plus and Apple IIc with the memory expansion connector. The C-Ram is available in 256K, 512K and 1 Megabyte configurations.

For pricing and additional information, please contact Jerry Cline at 602/992-7035.

Chinook Technology, Inc. 601 Main Street, #635 Longmont, CO 80501 303/678-5544.

SPECIAL Modem Offer

Internal Apple //
Epic Classic 2400 \$125

External
Epic Mini 2400 \$125

Internal Mac II family
Epic 2400 \$180
(gives extra serial port)

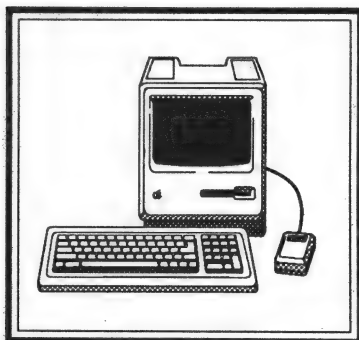
Chinook hard drives are NOT the "ON-SALE - LOW PRICE" hard drive. They are the quiet, fast, small, high quality drive for those who want a little more. When you start using one of these little sweet-hearts you will feel like the person in the premium mustard ad on TV:
"Pardon me...,
do you use a Chinook hard drive?"

Chinook
Hard Drive
Sales & Service

• Private Tutoring •

Onsight lessons,
assistance,
consulting and
equipment installation for
ProDOS, ProSEL,
Hard Drives,
Telecommunication &
Intro to Mac & Apple.
Call for Appointment

Jerry Cline
992-7025



At the 1989 Apple® Worldwide Developers' Conference last May, Apple gave a preview of the next version of Macintosh® system software, System 7.0, to the attending developers. This preview included information on the "core technologies" that Apple is committed to ship with System 7.0. This Update takes a look at three of these core technologies: InterApplication Communication Architecture, Virtual Memory, and 32-Bit Addressing. In future issues we'll explore other parts of System 7.0.

Product News

Preview of System 7.0

By Gregg Williams

Apple's InterApplication Communication Architecture (IAC), will provide a framework for applications to share commands and data, either locally or across AppleTalk® networks. IAC not only allows applications to connect but also to communicate. The difference between connection and communication is important—you may, for example, be able to telephone almost anywhere in the world, but if you can't speak the local language, the phone service won't do you any good. IAC will provide documented, standard ways of sharing data between applications.

IAC has four parts, of which three are new. Program-To-Program Communication, or PPC, is the foundation upon which the other parts are built. (Underneath it is the foundation of messages that exist and are transmitted in real time. Apple will also implement a "store-and-forward" capability that will extend IAC to work with messages that are saved first and delivered later.) Apple-Events and the Publication Manager, described below, build upon PPC. The final part of IAC is an existing one—the Scrap Manager, which allows the cutting and pasting of 'TEXT' and 'PICT' data between programs. Each of these parts is specialized to do one thing well; together, they will allow the creation of powerful programs that work together well for the user.

Program-To-Program Communications (PPC) makes a new kind of software possible by providing a standardized mechanism through which two programs—running on one computer or, across the net-

work, two different computers—can exchange arbitrary messages. PPC provides a unified programming interface to both local and network communications. This capability will be available to both event-driven applications and non-event-driven software entities such as desk accessories, Control Panel CDEVs, and others.

For applications, IAC provides an Event Manager-based way to send and receive PPC messages. As part of the Event Manager, Apple is creating a protocol, AppleEvents, that includes a suite of messages—like "OpenDocument," "PrintDocument," "Paste" and "SetFontName." Apple wants AppleEvents to be a common language for programs, just as the "Cut," "Copy," "Paste," and "Clear" selections are standard in every program's Edit menu. These messages will allow a program to concentrate on its specialty and call other programs to do the rest of its work.

The Publication Manager will allow customers to create dynamic links between documents so that information changed in one will appear in the other. Live copy/paste, as this capability is called, will also work on Macintosh computers connected across an AppleShare® file server.

Virtual Memory and 32-Bit Addressing. With virtual memory, you will be able to use hard-disk space to increase the apparent amount of memory your applications "see"—as much as doubling the actual amount of memory you have without a noticeable change in the

computer's speed.

System 7.0 will make virtual memory available to all Macintosh computers equipped with a Memory Management Unit. This includes the Macintosh IIfx, IIfx, and SE/30; Macintosh II computers will be able to use virtual memory with the addition of the Motorola 68851 PMMU upgrade kit. Virtual memory will allow the Macintosh to have up to 4 gigabytes (theoretically) of virtual memory in 32-bit mode and 14 megabytes in ordinary 24-bit addressing mode. Of course, you will need a sufficiently large hard disk to accommodate this virtual memory.

Apple is moving to a full 32-bit operating system with 32-Bit Addressing so that users can have more than 8 MB in their Macintosh computers (up to 32 MB with current hardware, 128 MB possible) and up to 4 gigabytes of virtual memory. People can use the extra memory for running more applications under MultiFinder™, preparing large documents, and using scientific visualization software, just to name a few uses. System 7.0 will run in either 24-bit addressing mode (all machines today) or in 32-bit addressing mode. Apple is investigating ways of allowing owners of existing 68020/030-based computers to gain 32-bit addressing capability.

greg...

This article is part of a larger feature article, "Setting the Speed Limit," that appeared in the June 1989 issue of Apple Direct.

Editor's Note:
(See page 30, "As Appeared
In Quick Connect" for
credits to this article)

TimeWorks Inc Presents Publish•It for the Apple // and Macintosh Dec 9th

At Apple Fest, Jack Upfall asked if I had seen Publish•It for the Mac yet. I had not, so Jack promptly guided me to the TimeWorks booth where Margo Demas and several others were demonstrating TimeWorks on both the Apple // and Mac.

I thought PageMaker was unshakable but I wanted the features I was being shown, and PageMaker did not have them. I will be candid in saying, I expected a ho-hum "ME-TOO price competitive product and as I watched the demo, I immediately came to attention and was envious of what I was seeing.

There were so many really slick features in Publish•It, I could not believe I was seeing a desk top publishing program that sells for about half the price of Aldus PageMaker.

I wanted Publish•It NOW so I could try it on this issue of The Journal, but I did not receive it in time. However, even though I have the January '90 issue already in process in PageMaker, I am anxious to get into Publish•It and create that issue with what looks to be a really neat new program. I'll try to learn it in time.

Editor - jc...

Cont. from page 16 - Aztec

'D' is right, 'W' is walk, 'R' is run, 'J' is jump and so on. I admit it is hard to adjust to the keys right at first, but after the first few games you will easily know every key. You won't even be thinking about the keyboard, and your fingers will be going all over the keyboard without you even thinking about them. It's fun and you will shock your parents, because they will be blown away at your amazing demonstration of hand-eye coordination.

Personally, I think this game is great for anyone from ages eleven to seventeen; adults would really like the game if they found out about it. But just don't tell them how great it is, or you will never get to the computer again. I put this on my top ten games as a five because it is a great game. You can trust me!

Til' next month - dc...

Jim Thomas, President
Design & Sales, Inc. dba

Creative ReSources

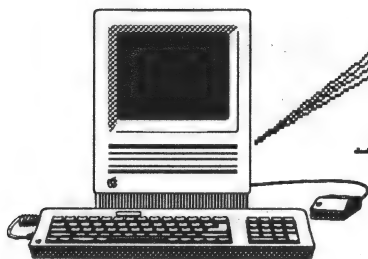
P.O. Box 488

Flagstaff, AZ 86002

602-774-2147 • FAX 774-4647

Desktop Publishing, Consulting, Computer Graphics
Printed Product for Business Promotion & Education

Down Links Connecting AzApple...



Clippings From TheApple Tree BBS

This is an almost verbatim literal example of how assistance is available from your computer via telecommunications. The following was clipped directly from The Arizona Apple Tree BBS:

Global QuickScan Checking for New Posts on Branch [41]
AzApple's Beagle Stuff Contains New Post(s)

B41 AzApple Post # => 78 of 79
Sub =>Update to UltraMacros?/
TVEDT
From =>JOE TVEDT (#37),
PHX,AZ
Date =>10/21/89 13:09:40

At AppleFest 88 (I think) I bought the Beagle Bros UltraMacros. I now have received my AppleWorks 3.0 and am getting consistent bombs to monitor location 7533 after AppleWorks has preloaded to the Checkmate card. I suspect I need an upgrade. When I pulled out the master disk and re-install, I see that in the hassle of getting home from SF on that trip, I never sent in the registration (head hanging in shame). Can I get the upgrade from one of the buddies in the area so I can go back to mousing around in AW3.0??

Joe

B41 AzApple Post # => 79 of 80
Sub =>Re:Update to UltraMacros?/TVEDT/BOHN
From =>John Bohn (#157),
PHOENIX, AZ
Date =>10/22/89 02:01:40

Mission and update accomplished. Joe stopped by my old homestead yesterday afternoon and picked up his UltraMacros 3.0 and Quickspell 3.0 updates. Now that's software dedication... driving across town on a rainy Saturday in a city with absolutely no street drainage.

Quickspell 3.0, you ask? Why would anyone need a Quickspell update when an improved version of the program is already part of AW 3.0? Because version 3.0 of Quickspell is better than the built-in Appleworks spell checker. You rarely, if ever get the dreaded message "unable to find any suggested spellings" with Quickspell 3.0, while I used to get that message all the time with the Appleworks spell checker. Quickspell also allows the user to store the dictionaries in a directory other than the directory containing the Appleworks program files.

If you're not already an owner of Quickspell, I would not rush out and buy it to replace the Appleworks 3.0 spelling checker. But if you already own it, upgrading is the way to go.

John

B41 AzApple Post # => 80 of 80
Sub =>Re: Update to UltraMacros?/TVEDT/BOHN/TVEDT
From =>JOE TVEDT (#37),
PHX,AZ
Date =>10/24/89 08:46:48

My sincere thanks to John for allowing me to interrupt his Saturday afternoon and a quiet game of scrabble with the family. Haven't had the time to install the new versions yet, but I appreciate his assistance.

BTW, my Apple II has the Universal Disk Controller made by Central Point in Oregon. From that controller, I run a non-Apple 3.5" drive and a non-Apple 5.25" drive. Nearly everything works on this setup without problems. The AW3.0 training disk however (written in Pascal) refuses to run. It says it must be booted from Slot 4,5 or 6 and declines to recognize the fact that the UDC is in Slot 6 (the Sider's controller is in Slot 7). Anyone else with the UDC had this experience?

Thanks again,
John for your
help and
your
expertise.

Joe



Jack Rabbit
-Jim Thomas...

OFFICIAL ANNOUNCEMENT VERSION 11 UPGRADE Formal Release Notice Of New Version For Registered Red Ryder Users

On October 15, 1989, The FreeSoft Company announced the impending release of a new product, the successor to Red Ryder version 10.3. The new product, interestingly enough, is called White Knight version 11. Why the name change? Simple. Our license contract for the Red Ryder trademark is to expire on January 1, 1990. Two days before we were to go to the printer with what was to be called "Red Ryder 11", the owners of the trademark advised us that there was to be a significant increase in the license fee renewal. The best calculations that we could do on such short notice told us that this increase was significant to the degree that we would either have to double the proposed price of the product, or eliminate several jobs. Our response was to do neither. Instead, we chose to select a new name for the product and apply for trademark protection ourselves.

As I'm sure you can realize, we have built up a tremendous

amount of good faith in the name Red Ryder associated with our products, and we are sorry to have to make such an abrupt "duck and weave". However, this is the choice that I feel is best for the product and our customers. Please help us get the word out in any way you can that this name change has happened - not only with word of mouth but by redistributing this file as far and wide as possible.

Editorial note:

It seems this company is always in the "...just about to release..." mode. I hope this NEW release gives users something for the Mac that is at least almost as good as ProTERM has been for the Apple //. I can't understand why Mac terminal software is so inadequate by comparison. Even the BBS software is underwhelming in comparison. I would consider change if I could justify it as an upgrade. Meanwhile, we'll wait and hope that White Knight will be the challenger that will (finally) be able to carry the Mac colours and at least be a qualifier in the telecommunications jousting contest. Isn't it time that a real program be written by Greg (whatshisname)?

Telecom Dictionary

Modem

What landscapers do to lawns.

Token Ring

A virtual engagement gift.

Ethernet

A device for catching the Ether Bunny.

DataPac

A size 14 girl in a size 8 bikini.

Asynch

A place to wash your hands.

Bysnch

The place where Elton John washes his hands.

BBS

Tall tales told by insects that produce honey.

ASCII

Ancient god of Telecommunications. Rumored to give vast amounts of data to believers. Hence, the phrase "ASCII and you shall receive."

Block Parity

One heck of a good time enjoyed by the whole neighborhood.

Carrier Detect

Raison d'etre for premarital blood tests. Also, listening for the Postman's footsteps.

File Transfer

Procedure followed by staff who are tired of their present jobs.

Hayes Compatible

Prone to riding with a grizzled old cowhand who sings off-key. Gene Autry is the industry standard.

Serial Interface

A spoon.

Terminal Emulation

A function performed by a canary that lays on its back with its legs in the air.

XModem

A device on the losing end of an encounter with lightning. Or 300 baud modem after user has seen a 2400 baud modem.

Telephone Jack

The guy that installs your telephone.

YModem

Because it's fun!

Road Apples ...

...are a selection of one liners from The Apple Tree BBS

You never get a second chance to make a first impression.

See for yourself why you shouldn't see it.

Lack of planning on your part, does not justify an emergency on my part!

Professional thieves go strictly by the Crook Book.

ZaZa Gabor has a new perfume called Conviction. She Says, "Dahlink, you just slap it on!"

Malpractice makes perfect.

A critic is a person that never goes to battle, but arrives later to shoot the wounded.

Last guys don't finish nice.

Airline ad: Ask about our out of court settlements.

AppleWorks 3.0 Enhancements

By John Bohn

AppleWorks
ENHANCEMENTS

3.0

Fender

AppleWorks 3.0 has been out for a while now, and after using the new version for a few weeks, I still miss some of the old enhancement programs which were available for AppleWorks 2.0 and 2.1.

True, many of the earlier enhancements are programmed into the new version, but it has taken me a while to get used to them. Still, this was a major upgrade to AppleWorks, and as anyone who updated to AppleWorks 2.1 knows, it took some time for all of the many enhancement programs to become compatible with 2.1. The version 3.0 enhancements are starting to be released now, and here is a list of some of them.

Beagle Bros has updated all of their TimeOut modules for use with AppleWorks 3.0 except DeskTools and DeskTools II. Those updates should be ready shortly. Contact your friendly, local Beagle Buddy if you are in need of updates. We are all listed in the AzApple Journal in the Aides section. There will be no updates for the MacroTools and MacroTools II disks. Those disks will be replaced by a new MacroTools disk which will be compatible with AppleWorks 3.0. Updates for that disk will be handled directly by Beagle Bros and not through the Beagle Buddy network.

TimeOut Quickspell has been updated to version 3.0. It uses the more sophisticated phonetic spell checking routine which is used by the built-in AppleWorks 3.0 spell checker, but it does not come up with the dreaded message "unable to find any suggested spellings" nearly as often. If you find the built in spelling checker inadequate, and you are an owner of QuickSpell, I would recommend an update.

AppleWorks 3.0, unlike the earlier versions of AppleWorks, automatically recognizes memory in an auxiliary slot RAMcard like the Applied Engineering RamWorks and Z-Ram and the Checkmate Technology MultiRam cards. That is a major improvement over earlier versions of Awks, but it does cause problems for users who ran AppleWorks and other programs from a partitioned RAM disk. AppleWorks 3.0 will grab all of the auxiliary memory it finds and trash a RAMdisk in an in-

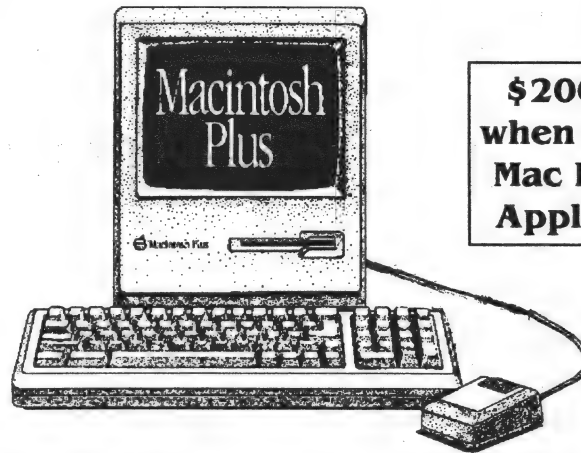
stant. There is a program in the AppleWorks library on the Apple Tree which will patch APLWORKS.SYSTEM (or the APLWORKS.SYS file with some modification if you are using TimeOut UltraMacros) to allow for the use of a RAMdisk with AppleWorks 3.0. The program is called RAMSET and was written by Dave Gair, CompuServe's Beagle Buddy, with the help of Beagle Bros programmer Randy Brandt. RAMSET will work with Glen Bredon's RAM drive programs and with Checkmate's MultiDrive.Pro and Mram.System, but not with Applied Engineering's ProDrive program.

Checkmate has released a disk called the Mram Ram Disk Protector which is a more sophisticated way of patching AppleWorks 3.0 for a partitioned RAM disk. Included with the disk is a system file named AW30MRAM.SYSTEM, which when placed in the same directory as AppleWorks will check for the MRAM partition, compute the number of banks to protect, and limit the desktop size for AppleWorks. This disk works great with Applied Engineering cards, and I highly recommend it. It is well worth the \$13 price (\$10 for the disk and \$3 for shipping and handling if ordered by mail). The last I heard, Applied Engineering's AppleWorks 3.0 enhancement disk will be released sometime in November and will cost \$15. That is all the information I have about the AE disk.

John Link's wonderful Superpatch program has been updated for AppleWorks 3.0. Superpatch is now a commercial release which is being handled by Quality Computers, 15102 Charlevoix, Grosse Pointe, Michigan 48230. 1-800-443-6697.

Cont. on page 30 See AppleWorks

Macintosh Plus



**\$200 Rebate
when you buy a
Mac Plus & an
Apple printer.**

The Macintosh Plus personal computer gives you the most important benefits of the Macintosh family-power, versatility, and ease of use - in an affordable entry level system. Macintosh Plus runs most of the programs written for the Macintosh family.

The difference lies in the style. Macintosh Plus does not have internal cooling fan as is installed in the Macintosh SE FDHD and Macintosh SE/30. In addition, it comes with an older style and design non-ADB keyboard and non-ADB mouse. While most other computers in the Macintosh family, use 1.4 Meg FDHD superdrives, Macintosh Plus still comes with older style 800K built-in drive. Macintosh Plus is the only currently available model that does not have a provision for an internal hard drive. Unlike Mac SE, Mac Plus does not have an expansion slot.

With 1 Meg of RAM, Macintosh Plus is still the most economical system in the Macintosh family.

Macintosh Plus Computer (includes keyboard, mouse, system software, Hypercard) -----	\$1249
Macintosh Plus Computer and 40 Meg External SCSI Hard Drive -----	\$1699
Macintosh Plus Computer and 62 Meg External SCSI Hard Drive -----	\$1799
Macintosh Plus Computer and 80 Meg External SCSI Hard Drive -----	\$1999
System Saver for Mac Plus -----	\$65

Upgrades (Memory)

Memory Upgrade for Mac Plus upto 2.5 Meg \$299, upto 4 Meg\$549

Add 6.7% Sales Tax. All prices subject to change without notice.

COMPUTERS PLUS COMPANY

2303 North 44th Street #2

(North East corner of 44th St. & Oak St.)

Phoenix AZ 85008

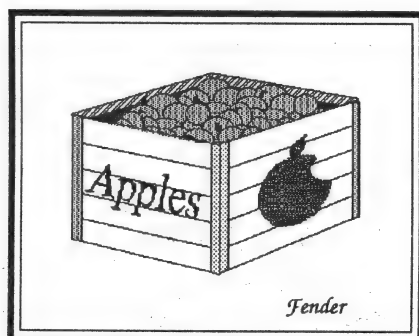
Phone: 602-955-1404



Authorized Dealer

September 21, 1989

Original created on the Mac II using a Laserwriter II NT X. Pictures scanned on Apple Scanner. Apple and the Apple logo are registered trademarks of Apple Computer, Inc



A Crate OverView

Macintosh & Apple Reviews

by Dennis Smith

Finder versus Finderpart one

As the battle between the Apple II (forever) and the Macintosh evangelists rages, one of the areas that is common ground and provides look-and-feel similarities between the two products is the Finder.

Finder was originally introduced to mass markets on the Apple Lisa, but became common usage as the Macintosh interface forever changed the look of personal computing. While the Macintosh Finder is the pivotal application of the Macintosh, program selectors for the Apple II flourished, many written in Basic, but filling the need for program selection. Most of the file and folder utilities that were accomplished in the Apple II were inelegantly performed with Apple Filer, Copy II+ or any other number of special programs. It all worked, but for a novice it was a major event to be able to deal with path names, let alone remember all of the relevant key codes and sub-directories.

In 1984 I received my first Mac. In the hour that it took to set it up, I mastered Finder enough to be able to use the Mac. This was amazing after all of the hours of drudgery I had spent with MS-Dos. It was about a year later that I sold my Color Computer and bought a used Apple IIc. After having been used to Finder, it was culture shock to sit in front of an Apple II. But I endured. I later bought a GS largely to get the look and feel of the finder and Macintosh-like applications. It's been a long wait, but they do seem to be coming, and as I sit here writing in a WYSIWYG word processor, the operation of my Apple II and Macintosh with Microsoft Word are close enough that I can switch between the two with minimum aggravation and very close to transparency. It has been a long road.

Being reasonably proficient with both Finders, I thought I would jump into the fray and do a comparison of the two. It turns out to be a very interesting comparison since for all of the apparent similarities, as fostered by the similar look and feel, they are very different products. There is only about a 60% overlap between the two, and they are quite apparently aimed at different markets.

Macintosh Wins...

The biggest difference between the two is that the Mac version will 'find' essentially all applications. That is, if you double click on a data file, Finder will open the application AND open the specified document. In the GS finder, if you double click on an application it MAY open the associated application, but only certain 16-bit applications will open the data file that you have selected within the required application. I know of no ProDOS 8 applications where this feature works.

In GSOS, the pathname for the application that a datafile works with is coded into the icon that is used to represent the data file. If you have a hard disk, or choose to have your backup disks use different volume names than the originals, this means that you may have to use an icon editor to change the icon to the exact pathname for the application. This causes you to have to re-edit those icons if you rearrange your disc. This pathname maneuvering may be okay for an Apple II hacker (bless them all), but would not be accepted by the casual and less technical user.

Another Mac advantage is that it has a version of finder called Multi-Finder which allows multiple applications to be loaded into memory and the user to switch between them. As any Amiga owner will tell you, this is not multi-processing. It is however very convenient, since several applications can

be loaded and read to run all the time. This is especially useful for pasting between documents, or any task where there are several applications involved. MultiFinder also had limited background processing capability. AppleWorks GS provides this type of multi-window/ multi-application environment, but only between its applications.

Apple IIGS Wins...

The most obvious advantage of the Apple II finder over Mac Finder is color (assuming you bought a new car instead of a color Mac). Not only is it more esthetically pleasing, but if you avoid getting carried away with all of the color options, the color coding of files, applications and other Finder information can make it much easier to navigate through numbers of files. If you like to get carried away, you can turn finder into a pop art delight.

One nuisance in Macintosh is that fonts and desk accessories must be installed into the system by using a special Installer application. In GSOS, fonts and DAs are simply held in folders and changing DAs and fonts is as simple as dragging the files into and out of their folder.

An Honest Difference...

A design difference between the Finders is how locked files are treated during copies and deletes. In Mac, you are given a message that the file is locked and you cannot complete the operation. This is safe. In GS Finder, a three button dialog comes up that allows you to cancel, try again, or ignore all reason and delete the file(s) anyway. If I am using my GS, this is okay. If my young children who don't read are using it, that might just delete my 16 meg hard disk. I hope that if GS Finder keeps this, it will some-

how be configurable so that kids can't accidentally delete things. For the meantime, my kids don't get close to the hard disk. (I put their software on self-booting floppies and keep the floppy locked. Even GSOS can't seem to get around that.)

The Finder Wins...

For this round it is Mac Finder by a nose. Program selection is the major advantage of Mac Finder over GS Finder, and it is the only enhancement to the GS Finder that is needed to make it offer the convenience of the Mac Finder would be for it to be able to directly launch all programs. This would be a lot of baggage for the current Apple II software to carry around. Most of the software that the GS Finder will not launch was actually written before the Macintosh was much more than a 128K spit-and-a-promise. Apple has done an admirable job of maintaining forward software compatibility throughout the history of the Apple II line, and believe me, this is not the most fun part of software engineering. I remain amazed that my GS runs software that is copyrighted 1981.

Next Month...

I'll bring this subject to a close with a bevy of numbers and facts regarding file sizes, boot speeds, and a detailed look at some of the feature differences between the two finders.

Who will win in the end? I don't yet know, but if you use both the GS and the Mac and have an opinion, please leave me a message. You may cast the tie breaking vote!

Dennis Smith Online America:
DennySmith Apple Tree: #54
Genie: DSmith94

d...

Perspectives

Here's an item of interest that should put today's cost of computers in perspective.

I was digging through some old records and found the original invoice for my Apple // e computer. I shopped hard for this price and was very happy to get the 'deal' at the time.

Apple //e System w/Apple II drive & Monitor & stand	\$1595.00
Extended 64/K/80 Column Card	260.00
Sales Tax @ 5%	92.75
Total	\$1947.75

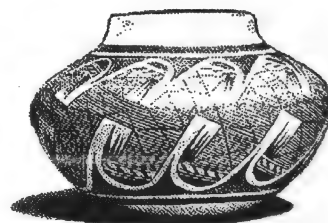
The date was 5/21/83

Looking in today's papers, I see this would easily pay for a complete Apple IIGS or Mac SE.

I remember buying the Okidata u92 printer at a 'deal' for \$470. Now the ImageWriter II (a very superior machine in my opinion), sells for about that same price if you shop for it.

Seemingly then, even though the cost of everything constantly rises to new plateaus, in reality, aren't those mountaintops still in about the same place today?

jerry...



Jim Thomas

CGS-OS - Cont. from page 7

START

This is the actual "Boot" program. In most cases, this will be the Finder program. The Finder is the program that performs the disk utilities (copy files, format a disk, etc.). If this file is not on the disk, there must be a file with a name ending with the suffix .SYS16.

TOOLS

This folder contains any Tool files not found in ROM. Examples of these Tool files would be MIDI Manager, Menu Manager, Print Manager, QuickDraw Auxiliary, or Font Manager. There are more than these listed - these are but a few.

FONTS

If the Font Manager is used in the TOOLS folder, then this

folder is required. It contains all of the fonts used by the system. It contains the Courier fonts, the Geneva Fonts, the Helvetica fonts, the Shaston, the Venice, and the Times fonts. A file called FONT.LISTS is prepared by the Font Manager to store all of the information about all of the fonts.

P8

The ProDOS file for the other Apple II's (ProDOS v1.8 is the latest version). This file is needed only if you desire to use ProDOS 8.

BASIC.SYSTEM

required for AppleSoft Basic (version 1.4 is the latest) BASIC.LAUNCHER-required to enable use of AppleSoft.

Rick...

"As appeared in Quick Connect"

Editor Note:

The articles bearing the above tag also carried the following identification information. Rather than print the same information redundantly, I have printed it here once and referenced it in each article.

This article appeared in the September/October 1989 issue of Quick Connect, the Newsletter for Apple User Groups. It may be reproduced in other User Group publications not sold for profit. We require only that credit be given to the Apple Computer User Group Connection and that we receive a copy of any publication in which reprinted articles appear. The Apple User Group Connection, Apple Computer, Inc., 20525 Mariani Avenue, MS: 36/AA, Cupertino, CA 95014.

(c) 1989 Apple Computer, Inc.

Apple, AppleShare, GS/OS, Macintosh and ProDOS are registered trademarks of Apple Computer, Inc. Finder is a trademark of Apple Computer, Inc.

AppleWorks Cont. from page 26

Version 6.0 of Superpatch is available now for \$39.95. 6.0 is a temporary version which will be automatically updated to version 6.1 when it is ready for release. SP 6.1 will include a printed manual and toll free telephone support from Quality Computers. The major new patch for AppleWorks 3.0 is a time and date display which is placed in the middle of the screen where Review/Add/Change is located.

The last two items on the AppleWorks 3.0 enhancement list are disks by Beagle Bros and Randy Brandt's JEM Software. The Beagle Bros disk is called the AW3.0 Companion, and will include all of the patches found on the PatchMania and Late Night Patches disk plus some new patches. I'm not aware of an announced release date or a price for this disk.

The JEM Software disk is available now and is called SpellCopy. The major modification included on this disk is the

ability to modify AppleWorks 3.0 so that the spell checker's dictionaries can be on a drive other than the AppleWorks disk. SpellCopy can also automatically copy dictionaries to a Ram disk at boot up. The disk costs \$12.50 + free shipping and is available from JEM Software, P.O. Box 20920, El Cajon, CA 92021.

Well, those are all of the AppleWorks 3.0 enhancements that will fit into this article. Slowly but surely, all of the niceties and customizers we AppleWorks addicts loved will be available for version 3.0. I can't wait.

john...

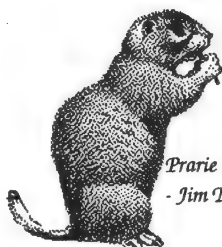
Sincere Thanks!

To Jim Thomas for allowing the use of his just released fine work, adding a Southwestern flavor to The Journal:

"Southwest Best, Vol I
Clip Art for Macintosh"
(See ad Page 23)

Also, to Ric Bowers (Fender) for preparing art on demand as The Journals are in process.

Ed-jc...



*Prairie Dog
- Jim Thomas...*

BrainChild Software

Is it true *BrainChild* Software has the largest selection of Apple software in the Valley at the best prices?

Visit *BrainChild* Software and find out for yourself!

BrainChild has home, business, and entertainment software, and features the largest selection of educational programs in the Valley.

Books, Accessories and software for:

Apple • Macintosh • IBM • Amiga • Commodore

Come in and satisfy your software needs at our

NEW STORE LOCATION

BrainChild Software

15820 N 35th Ave • Phoenix, AZ 85023

602 375-3298

(Midway between Greenway & Bell Rd
on the west side of 35th Ave)

Your Apple Software Headquarters

December 9th Meeting = TimeWorks!!

See Page 23 for related information on TimeWorks presentations.

Class Schedule

8 - 9:30 AM

DESKTOP PUBLISHING: The AzApple Journal Special Interest Group	Lecture Hall
MUSIC SIG: Tune into this one	Lecture Hall
SEEDLINGS Meeting: Rad happenings for hi-tech kids	2205
MACINTOSH NEW USERS: Put your Mac on the right track	2235
Apple GENERAL UTILITIES: Learn techniques from the experts	2234
GENEALOGY SIG: Get to the root of it all	2224
APPLE GS Roundtable: Discussions of general interest	2237

9 AM - Noon

LIBRARIES OPEN: Apple // & Macintosh	Lecture Hall
--------------------------------------	--------------

10 - 11 AM

APPLE // PRESENTATION: Margo Demas from TimeWorks - Publish•It //	Lecture Hall
---	--------------

11 - Noon

GENERAL MEETING	Lecture Hall
-----------------	--------------

Noon - 1 PM

MACINTOSH PRESENTATION: Margo Demas TimeWorks - Publish•It Mac	Lecture Hall
--	--------------

12:30 - 1 PM

AZAPPLE BOOT CAMP: How to get the most from AzApple	2237
---	------

1 - 2:30 PM

Apple //e-//c NEW USERS CLASS: Learn to do it right	2205
Macintosh HYPERCARD Class: We'll stack this one against anybody's	2235
APPLEWORKS GS Class: Spread your time on this layout	2234
ADVANCED GS USERS Class: Programmers byte here first	2237
TELECOMMUNICATIONS Class: This class is the talk of the town	2224

2:30 - 4PM

Apple GS NEW USERS Class: Mousing around with the BASICS	2224
APPLEWORKS: How to use classic versions 2 & 3	2205
MACINTOSH UTILITIES: All the tricks of the trade	2235
Apple // DESKTOP PUBLISHING Class: Here's the high-tech scoop	2234

January '90 Meeting Monogram Presents "Dollars & Sense"

- Apple // family presentation 10 - 11 AM
- General Meeting 11 - Noon
- Mac family presentation Noon - 1 PM

Family Membership Application, Renewal Form & Information Update

Please fill
in ALL
categories

Please Return this completed Form with your check made payable to:

The Arizona Apple User Group • PO Box 34056 • Phoenix, AZ 85067-4056

Info Change Only _____

New \$35 _____

Renew \$30 _____

Cash ☐

Check ☐

Name _____ Phone (____) _____

Address _____ Don't list phone number in member roster -> ☐

City _____ State _____ Zip _____

I am interested in these computers:

- | | | | |
|---------------------------------|------------------------------------|------------------------------------|--|
| ☐ Mac SE | ☐ Other Mac | ☐ Apple //e | ☐ Apple II |
| ☐ Mac II | ☐ Apple GS | ☐ Apple //c | ☐ Apple Compat. |

Answering these questions helps us to understand your current interests and how we can better assist you in learning more about using your computer.

1 - Y___ N___ Would you assist with the public domain library?

2 - Y___ N___ Would you teach classes? 3- Y___ N___ Would you write for The AzApple Journal?

4 - Do you use your computer; _____ Every day? _____ A few times each week? _____ Few times a month?

5 - List favorite programs or Speical Interests.

A - _____ C - _____

B - _____ D - _____

6 - About how many meetings do you attend in a year: (Circle one) 12 11 10 9 8 7 6 5 4 3 2 1 0

7 - List favorite classes you've attended and any you would like to see in the future. _____

8 - Which telecommunication, services do you use, and about how many times per month do you call these services?

_____ None _____ GENie _____ Compuserve _____ BIX Byte _____ (Name Other) _____

_____ The Arizona Apple Tree _____ Special Needs Apple Tree _____ Mac Apple Tree _____ America OnLine

9 - On a scale of one to ten, how do you feel about The AzApple Journal (circle a number).

Dislike 1 2 3 4 5 6 7 8 9 10 Like

10 - Are you be willing to learn more about your computer by getting involved in group activities, and may we call you about this? 



☐ Yes!, I WANT TO LEARN - GET ME INVOLVED!

AzTech Computer

Apple Compatible Printer

Connects to the gs Port or SS Card

\$239**10 Mhz Rocket Chip**

Speed Up Your IIC or IIE

\$199**Transwarp GS**

Increase Your Speed

\$299**PC Transporter 640K**

Including Installation Kit for IIE or IIGs

\$429**AE Audio Animator**

New from Applied Engineering

\$99**AE Conserver IIGs**

Fan- Surge Protection-Power Director

\$85**2400 External Modem****\$149****RamWorks III 1 Meg**

IIE+ IIE 80 Column & Memory

\$199**Z-Ram Ultra 2 1 Meg**

Clock & Memory

\$269**NEW!! Appleworks 3.0**

Spell Check & Thesauruses

\$189**HyperLaunch GS**

Great Replacement for the Finder

\$39**Print Shop Bonus Pak**

Includes Free Graphics Disk

\$35 IIE - IIGs**Print Shop Graphics Disks**

Holiday Edition & Others

\$19**Print Shop Lovers Utility**

For the Print Shop Power User

\$29**3.5" Disk Storage Case**

100ct w/Lock

\$9.50**Space Rogue**

Great New Action Adventure

\$32**Wind Walker**

Apple IIE IIC IIGs

\$29**HyperWorks**

Hypercard for the IIGs

\$79**Vulcan Internal Hard Drive**

Available for IIE+ IIE IIGs

20MB \$539 or 40MB \$639**AI InnerDrive**

Internal Hard Disk for IIE IIC IIGs

20MB \$499 or 40MB \$599**GS Juice 1 Meg**

From Applied Ingenuity

\$199**PC Tool Kit**

Handy 10 Piece Set

\$19**Where in Time is CD?**

Carmen San Diego History

\$29**4-Color Printer Ribbon**

Imagewriter II Multicolor

\$12 ea. - 6 for \$60**3.5" DSDD Diskettes**

Box of 50 Includes Labels

94¢ Per Disk**Copy II Plus**

Complete Apple II Utilities

\$29**4920 West Thunderbird Road • Glendale, AZ 85306****(602) 938-1160**

Prices subject to change without notice. AzApple Journal 12/89

If your computing system
doesn't cover every angle,

*what's the
point?*



You know what it takes to run a successful business. A solid foundation. The right building blocks. Support from all sides. Every angle covered.

At ComputerLand, we know how essential an effective computing system is to the success of your business. So we're building Successful Systems based on the same principles. A solid foundation of knowledge about your business and computing needs. Hardware and software that work together smoothly and efficiently. Training and service to

ensure that you get the most out of your investment — with minimal down time. And a network that pulls it all together, providing you with support from every angle.

It's ComputerLand's way of adding a new dimension to total systems support. It's your assurance of a computing system that delivers peak performance, with help available whenever you need it. And it all stacks up to your success. Otherwise, *what's the point?*

ComputerLand[®]
Our people make the difference.

Tower Plaza Super Center

3887 East Thomas Road • Phoenix, AZ • 267-4900

Monday • Friday 10 AM-6 PM

Saturday 10 AM -5 PM

Aztech Computer

Crate Hard Drives

External Mac Plus or SE
40MB \$499 100MB \$859

ThunderScan Mac
Imagewriter II Scanner
\$219

2400 Baud Modem
Zoom External
\$149

Publish It!
New for the MAC & GREAT!!
\$299

Mac Project II
Complete Project Management
\$329

2MB Memory Upgrade
Mac Plus - SE Installed
\$259

Apple Compatible Printer
Fortis 1310A Emulates Imagewriter
\$239

3.5" Disk Storage Case
Holds 100 Disks - Lockable
\$9.50

Internal Hard Drives
Mac Plus or SE
48MB \$459 100MB \$799

DAtabase
Complete Database Accessory
\$97

Mac Carrying Case
Mac Plus or SE
\$79

Quicken v1.5
New More Powerful Version
\$45

DiskTop
File Management Utilities
\$37

FileMaker II
Best-Selling Database Software
\$219

4920 West Thunderbird Road • Glendale, AZ 85306
(602) 938-1160

Prices subject to change without notice. AzApple Journal 12/89

The Arizona Apple User Group

"The largest & oldest Apple & Mac Computer Club in the southwest"

PO Box 34056 • Phoenix, Arizona 85067-4056

Margo Demas Presents Publish-IT DEC 9
Memb#: Type: E Mo/Yr Exp:: 12 87

Roger Wagner Publishing Co.
1050 Pioneer Wy'#P
El Cajon, CA 92020

BULK RATE
U.S. Postage
PAID
Glendale, AZ
Permit #400

POSTMASTER:
Address Correction Requested
Forwarding Requested

